

The Development of Liberal Arts and Sciences

□ □ □ □

A decorative horizontal bar consisting of a series of small, evenly spaced rectangular blocks, likely made of wood or a similar material, arranged in a straight line.

— [1] □

Technological Singularity

[2]

ANSWER

Leukotomy 〔前頭葉前部の皮質を切開する〕 [3] 〔前頭葉前部の皮質を切開する〕

ANSWER

الطباطبائي [5] والطهري [6]

Ibn al-Haytham [7]

الطباطبائي [8]

الطباطبائي [8]

الطباطبائي [8]

الطباطبائي [8]

الطباطبائي [8]

الطباطبائي [8]

الطباطبائي [8] well-controlled [9]

الطباطبائي [8]

الطباطبائي [8]

الطباطبائي [8]

الطباطبائي [8]

A horizontal row of 20 empty rectangular boxes, intended for children to write their names in, likely on a worksheet.

[10] 〔 〕
[11] 〔 〕
〔 〕

-peer review

well-controlled [13] [14]

metaphysics

[15]

〔16〕

epistemology critique

A decorative horizontal border consisting of a series of small, evenly spaced rectangular blocks, likely made of wood or a similar material, arranged in a single row.

A row of 10 empty square boxes for drawing.

Фердинанд Карл Швайкарт 1819–1830

“”

A row of 15 empty rectangular boxes, intended for a student to draw a timeline from the year 1900 to 2000.

20

20

5 of 5

ANSWER

[23]

『leukotomy』 Forrest Gump『A City upon a Hill』 [24]

personality 智力 intelligence

“……” [25]

主機型電腦 mainframe □個人電腦 personal computer □ 智能手機 smartphone □ 智能手錶 smartwatch □ 智能電視 intelligent television □ 智能機器人 intelligent robot

leukotomy

图灵机 Turing Machine

Universal approximation theorem 通用逼近定理

Technological Singularity

图灵测试 AlphaGo Zero 用的是什么数据集？

人工智能 AI: A Modern Approach 人工智能和机器学习
人工智能和机器学习 Wind Tunnel approach 人工智能和机器学习

737Max

SAE level 5 SAE level 4 SAE level 4 SAE level 4 SAE level 4

Deep Blue [27] Demis Hassabis [28] AlphaGo Zero [29] Nature [30] superhuman [31] Superhuman [32] generic [33] human [34] generic [35] superhuman [36]

图 10 AlphaGo Zero 在 19x19 棋盘上自我对弈 1000 万局，仅用 40 天就超越了 AlphaGo Zero [28]

AlphaGo Zero は Deep Blue が AlphaGo Zero に勝ったこと

Deep Blue 1997年世界国际象棋冠军赛 [29]

A horizontal row of 20 empty rectangular boxes, likely for a survey or form.

Occam's Razor

Occam's Razor 逻辑简明原则 Occam's Razor 逻辑简明原则 Occam's Razor 逻辑简明原则

2

[30]

自私基因 (或不朽基因) The Selfish Gene (or The Immortal Gene) [31]

Gu Test A Progressive Measurement Of Generic Artificial Intelligence

“” [32] “” [33] 』

A horizontal row of 15 empty square boxes, intended for children to draw or write in.

ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ କାମକାଳୀରେ କାମକାଳୀରେ

ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ କାମକାଳୀରେ କାମକାଳୀରେ କାମକାଳୀରେ

ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ [34] ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ କାମକାଳୀରେ
ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ [35]

ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ କାମକାଳୀରେ କାମକାଳୀରେ କାମକାଳୀରେ
ମୁଣ୍ଡାରୀରେ [36]

ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ

ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ 70% ମୁଣ୍ଡାରୀରେ 10% ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ
ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ

ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ

ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ କାମକାଳୀରେ କାମକାଳୀରେ କାମକାଳୀରେ
ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ କାମକାଳୀରେ କାମକାଳୀରେ [37]

ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ କାମକାଳୀରେ କାମକାଳୀରେ କାମକାଳୀରେ
ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ

ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ କାମକାଳୀରେ କାମକାଳୀରେ କାମକାଳୀରେ
ମୁଣ୍ଡାରୀରେ

ମୁଣ୍ଡାରୀରେ

ମୁଣ୍ଡାରୀରେ 80-90 ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ କାମକାଳୀରେ PC କାମକାଳୀରେ [38] ମୁଣ୍ଡାରୀରେ Internet କାମକାଳୀରେ
ମୁଣ୍ଡାରୀରେ smartphone କାମକାଳୀରେ

ମୁଣ୍ଡାରୀରେ iPhone କାମକାଳୀରେ smartphone କାମକାଳୀରେ mainframe କାମକାଳୀରେ PC କାମକାଳୀରେ
ମୁଣ୍ଡାରୀରେ smartphone କାମକାଳୀରେ

ମୁଣ୍ଡାରୀରେ CPU କାମକାଳୀରେ operating system (OS) କାମକାଳୀରେ କାମକାଳୀରେ
ମୁଣ୍ଡାରୀରେ Internet କାମକାଳୀରେ PC କାମକାଳୀରେ
ମୁଣ୍ଡାରୀରେ smartphone କାମକାଳୀରେ

ମୁଣ୍ଡାରୀରେ ARM CPU କାମକାଳୀରେ Linux କାମକାଳୀରେ Android କାମକାଳୀରେ CPU କାମକାଳୀରେ OS କାମକାଳୀରେ
[39] ମୁଣ୍ଡାରୀରେ smartphone କାମକାଳୀରେ

ମୁଣ୍ଡାରୀରେ consolidation କାମକାଳୀରେ smartphone କାମକାଳୀରେ
Consolidation କାମକାଳୀରେ smartphone କାମକାଳୀରେ କାମକାଳୀରେ
କାମକାଳୀରେ

ମୁଣ୍ଡାରୀରେ କାମକାଳୀରେ କାମକାଳୀରେ କାମକାଳୀରେ smartphone କାମକାଳୀରେ

四、填空题

Matrix

□□□□□□□□□□

individualism [41] The Selfish Gene (The Immortal Gene) [42]

工业化和城市化 Gilded Age

Gilded Age 『911』 [44] 911 『Gilded Age』

『Gilded Age』 Gilded Age 『A City upon a Hill』 Forrest Gump 『911』 911 『Gilded Age』

『Gilded Age』 Gilded Age 『A City upon a Hill』 Forrest Gump 『911』 911 『Gilded Age』

『Gilded Age』 Gilded Age 『A City upon a Hill』 Forrest Gump 『911』 911 『Gilded Age』

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『Gilded Age』 Gilded Age 『A City upon a Hill』 Forrest Gump 『911』 911 『Gilded Age』

personality dimension [45]

dimension [46]

“ego” dimension

[47] dimension [49]

dimension

dimension

dimension 1/5 dimension

dimension

dimension [50]

dimension

dimension

dimension

dimension

Technological Singularity Technological Singularity AlphaGo Zero

dimension

dimension

BRAND Intiative

Leukotomy

Technological Singularity

[53]

~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~

[3] 一二三四五六七八九〇一二三四五六七八九〇一二三四五六七八九〇一二三四五六七八九〇

ANSWER

[4] 中国房间 Chinese room 中国房间

In Math We Trust

Technological Singularity

[5] 亂世の魔の手を離れて、
乱世の魔の手を離れて、
乱世の魔の手を離れて、

[6] 〔規範 guideline と 判断 judgement の関係〕

“………………”………………

[8] የሰውን የሰውን የሰውን John Philoponus የሰውን የሰውን የሰውን የሰውን የሰውን የሰውን የሰውን የሰውን

ابن حیثام Ibn al-Haytham

[11] personality

我就是我，是颜色不一样的烟火
我就是我，是个性不一样的烟火

我就是我，是颜色不一样的烟火

我就是我，是个性不一样的烟火

我就是我，是颜色不一样的烟火physical sciences

[12] 我就是我，是颜色不一样的烟火 1630

我就是我，1632 我就是我，是颜色不一样的烟火

[13] 我就是我，是颜色不一样的烟火 我就是我，是个性不一样的烟火

我就是我，是颜色不一样的烟火 1687 我就是我，是颜色不一样的烟火

[14] 我就是我，是颜色不一样的烟火 我就是我，是颜色不一样的烟火

[15] 我就是我，是颜色不一样的烟火 Gödel's theorems suggest metaphysics from humans may not work. I do not cross the boundary between religion and science.

我就是我，是颜色不一样的烟火 Je pense, donc je suis 我就是我，是颜色不一样的烟火

我就是我，是颜色不一样的烟火 我就是我，是颜色不一样的烟火 我就是我，是颜色不一样的烟火

[16] 我就是我，是颜色不一样的烟火 20 我就是我，是颜色不一样的烟火 我就是我，是颜色不一样的烟火 insights 我就是我，是颜色不一样的烟火 我就是我，是颜色不一样的烟火

我就是我，是颜色不一样的烟火

[17] 我就是我，是颜色不一样的烟火 Ferdinand Karl Schweikart 我就是我，是颜色不一样的烟火

[18] 我就是我，是颜色不一样的烟火 我就是我，是颜色不一样的烟火

[19] 我就是我，是颜色不一样的烟火

我就是我，是颜色不一样的烟火 我就是我，是颜色不一样的烟火 我就是我，是颜色不一样的烟火

我就是我，是颜色不一样的烟火 我就是我，是颜色不一样的烟火 我就是我，是颜色不一样的烟火

[21] Filippo Marinetti - Manifesto del Futurismo

Technological Singularity
Nature AlphaGo Zero superhuman

去作亂 go rogue 去作亂 go rogue

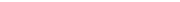
ANSWER

[22] 1917

Паша personality

A decorative horizontal bar consisting of a series of small, evenly spaced rectangles.

Technological Singularity

[24] 

“”

attraction passion commitment commitment commitment exclusive exclusive exclusive exclusive

.....

..... leukotomy BRAIN Initiative
.....

[26]
.....

.....
.....

.....
.....

[27] The Guadian a meta-solution to any problem AGI
.....
.....

"Demis Hassabis ... is deadly serious when he tells me he is on a mission to 'solve
intelligence, and then use that to solve everything else'.

.....

'One way of thinking of AGI is as a process that will automatically convert
unstructured information into actionable knowledge. What we're working on is
potentially a meta-solution to any problem.'",

from <https://www.theguardian.com/technology/2016/feb/16/demis-hassabis-artificial-intelligence-deepmind-alphago>

[28]AlphaGo ZeroAlphaGo ZeroAlphaGo Zero
AlphaGo MasterAlphaGo ZeroAlphaGo Master
.....

.....AlphaGo Master
.....

..... 737 Max
.....

"'In thousands of tests, nothing like this had ever happened,' he said.", Boeing
Built Deadly Assumptions Into 737 Max, Blind to a Late Design Change,
<https://www.nytimes.com/2019/06/01/business/boeing-737-max-crash.html>.

[29]
Deep
Blue
.....

[30]
.....

[31] The Selfish Gene (or The Immortal Gene) 『希腊人和野蛮人』: to be "a leader to the Greeks and a despot to the barbarians, to look after the former as after friends and relatives, and to deal with the latter as with beasts or plants"『希腊人和野蛮人』

[32] 

go rogue □ vandalist □ 1204

AlphaGo Zero არის არა მანუალური სისტემა, Nature ის AlphaGo Zero მის შემთხვევაში მანუალური სისტემა არ იყო, superhuman performance მანუალური სისტემა არ იყო.

Jack Ralph Ralph
leader Piggy Ralph
Simon

The Development of Liberal Arts and Sciences

[34] 1970

〔50〕

[36]

leucotomy leucotomy leucotomy

A horizontal row of 15 empty rectangular boxes, intended for children to write their names in, similar to a handwriting practice sheet.

Technodoc

[38] Intel CPU - OS

CPU OS 1980

Intel smartphone CPU Technological Singularity

[39] ស្ថាបី smartphone មួយ CPU មិនមែន Intel មិនមែន ARM មិនមែន ARMv8 មិនមែន Qualcomm មិនមែន Intel មិនមែន Google ឬ Android OS មិនមែន open source មិនមែនមិនមែន CPU ឬ OS មិនមែនមិនមែន

Линус Торвалдс Linux Google Android Microsoft Apple smartphone Google Google CPU OS ARM Google CPU OS smartphone

smartphone

[40] 〔プログラム音楽〕 program music 〔プログラム音楽〕 program music “”

[42] 2019 『“”』<https://www.chinesepe.org/blog/archives/121899>

“**蒙古族**”“**蒙古族**”“**蒙古族**”
蒙古族

[43] "On 28 July, after reading Serbia's reply, Wilhelm commented, 'But that eliminates any reason for war' or 'every cause for war falls to the ground'.....Wilhelm's sudden change of mind about war enraged Bethmann Hollweg, the military, and the diplomatic service, who proceeded to sabotage Wilhelm's offer.", from https://en.wikipedia.org/wiki/July_Crisis.

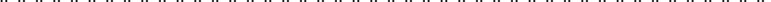
Wilhelm

Wilhelm

[44] 1920-1930 Gilded Age 1920-1930

[46] 

ANSWER

[48] 

[50] 『_____』

[51] 『_____』

_____“_____”_____

_____“_____”_____

_____ crowded _____

[52] Leukotomy 『_____』 Moniz 『_____』 leukotomy 『_____』

Leukotomy  Leukotomy  leukotomy  leukotomy  Moniz  leukotomy  <https://www.nobelprize.org/prizes/medicine/1949/moniz/article/>, First published 29 October 1998

Moniz 蒙尼茲 1949 Nobel laureate in medicine for his discovery of the therapeutic value of leucotomy in certain psychoses. <https://www.nobelprize.org/prizes/medicine/1949/moniz/biographical/>

leucotomy

[53] "Second US town pays up to ransomware hackers",
<https://www.bbc.com/news/technology-48770128> [11]